AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the Claims:

- 1. (currently amended) A memory card, comprising:
 a non-volatile memory; [[,]] and
- a memory controller for controlling operation of said non-volatile memory,

wherein said memory controller is capable of

interfacing configured to interface with outside an external device according to a predetermined protocol, [[;]]

wherein, said memory controller controls, in a memory control in response to an a write access instruction from outside, a the external device, said memory controller controls a first process for adding an error correction code to data which is written to said non-volatile memory from outside the external device, or a

wherein, in response to a read access instruction from the external device, said memory controller controls a second process for conducting an-error detection and correction, process, by using said error correction code, to on data which is read out from said non-volatile memory to outside; the external device, and

wherein said memory controller controls a third process for conducting an—error detection and correction process to on memory information of stored in said non-volatile memory, by using said error correction code, independently of one of said first process and said second process in—response to the access instruction from outside.

- 2. (currently amended) A memory card according to claim 1, wherein said memory controller comprising operation control means for instructing the error detection and correction—controls performing said third process at predetermined time intervals—independently of said process in response to the access—instruction from outside.
- 3. (currently amended) A memory card according to claim 1, wherein said memory controller comprises operation control means for instructing the error detection and correction process independently of said process in response to the access instruction from outside, controls performing said third process in response to connection of an electric power supply to said memory card.
- 4. (currently amended) A memory card according to claim 1, wherein said memory controller comprises operation control means for changing a controls said third process to store error-corrected memory information in a substitute

memory area, different from a first memory area of said non-volatile memory storing the memory information, for error error error information—when an accumulated number of error generation—times—occurrences for the first memory area exceeds a predetermined number of error occurrences for the first memory area—times—in the error detection—and correction—process—independently of the process—in response to the access—instruction from outside.

- 5. (currently amended) A memory card according to claim 1, wherein said memory controller comprises operation control means for changing a controls said third process to store error-corrected memory information in a substitute memory area, different from a first memory area of said non-volatile memory storing the memory information, for error corrected memory information when a number of error generated bits for the first memory area exceeds a predetermined number of error bits for the first memory area in the error detection and correction process independently of the process in response to the access instruction from outside.
- 6. (currently amended) A memory card according to claim 4, wherein:

said non-volatile memory includes, as an information memory area, a data area, a substitution area for substituting for a defective portion of said data area, a substitution managing area for defining correspondence between said data area and said substitution area, and a parameter area; and

said operation control means—memory controller obtains information of—said predetermined number of times—error occurrences from said parameter area, and changes the memory area of said error corrected memory information to—said substitution area includes said substitute memory area.

7. (currently amended) A memory card according claim 5, wherein:

said non-volatile memory includes, as an information memory area, a data area, a substitution area for substituting for a defective portion of said data area, a substitution managing area for defining correspondence between said data area and said substitution area, and a parameter are; and

said operation control means memory controller obtains information of said predetermined number of error bits from said parameter area, and changes the memory area of said error corrected memory information to said substitution area includes said substitute memory area.

8. (currently amended) A memory card according to claim 4, wherein:

said non-volatile memory includes, as an information memory area, a data area, a substitution area for substituting for a defective portion of said data area, a substitution managing area for defining correspondence between said data area and said substitution area, and a parameter area; and

said operation control means memory controller—records the accumulated number of error generation times generated occurrences for the first memory area in said error detection and correction process—in a corresponding data area in said non-volatile memory, and uses changes—the memory area of said error corrected memory information to said substitution area as the substitute memory area.

9. (currently amended) A memory card according to claim 2, wherein said operation control means is a program controlled data processor memory controller includes a central processing unit and performs said error detection and correction by program execution of said central processing unit.

Claims 10-18. (canceled).

19. (new) A memory card, comprising:

a non-volatile memory; and

a memory controller for controlling operation of said non-volatile memory,

wherein said memory controller is configured to interface with an external device according to a predetermined protocol,

wherein, in response to a write access instruction from the external device, said memory controller controls a first process for adding an error correction code to data which is written to said non-volatile memory from the external device,

wherein, in response to a read access instruction from the external device, said memory controller controls a second process for conducting error detection and correction, using said error correction code, on data which is read out from said non-volatile memory to the external device, and

wherein said memory controller controls a third process for conducting error detection and correction on memory information stored in said non-volatile memory, using said error correction code, independently of a process performed in response to an access corresponding to one of said read

access instruction and said write access instruction from the external device.

- 8 -